



**NATURAL RESOURCES CONSERVATION SERVICE
(NRCS)**

OH-ENG-233p
03/00

ANNUAL LIVESTOCK DEATH LOSS CALCULATIONS (Poultry)

Landowner:		County:	
Designer:	Date:	Checked:	Date:

Typical Mortality Losses for Poultry Production (%)

Type of Poultry	Average Weight ³ (pounds)	Loss Rate (%)	Flock Life	Design Weight ⁴ (pounds)
Broiler (mature)	4 - 8	4.5 - 5	42 - 70 days	Up to 8
Layer	4.5	14	440 days	4.5
Broiler, breeding hen	4 - 8	10 - 12	440 days	8
Turkey, hen (meat)	15 - 25	6 - 8	95 -120 days	25
Turkey, tom (meat)	25 - 42	12	112 –140 days	35
Turkey, replacement breeder	15 (birth -30)	5 - 6	210 days	20
Turkey, breeding hen	28 - 30	5 - 6	180 days	30
Turkey, breeding tom	70 - 80	30	180 days	75

Source: NRCS Agricultural Waste Management Field Handbook, Table 10-7, 7/96, and Ohio Poultry Association

Poultry Type: _____

B = Number of birds on farm = _____

M = Anticipated mortality for flock (as a decimal) = _____

T = Life of flock (days) = _____ (verify with producer)

W_b = Weight of birds near maturity (lb)= _____ (verify with producer)

ADL = Average Daily Loss during flock life (lb/day)

ADL = B x [(M/T) x W_b]

ADL = _____ x [(_____ / _____) x _____] = _____ lb/day

Go to form OH-ENG 235a to size the bins (*poultry compost bins must have a roof unless sawdust is used as the carbon amendment in lieu of the recipe stated below*)

Recipe of Material Proportions for Poultry Composting

Material	Parts by Weight
Poultry Carcasses	1.0
Poultry Litter	1.2
Straw	0.1
Water	0.75